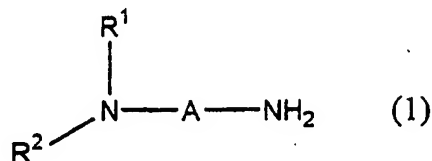


AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.-12. Canceled.

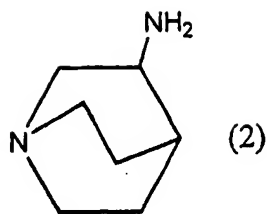
13. (Original) A catalyst for production of a polyurethane resin, which contains an amine compound of the following formula (1):



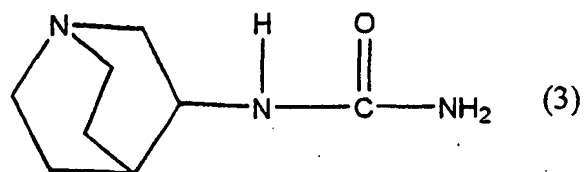
wherein each of R^1 and R^2 which are independent of each other, is a C_{1-4} alkyl group, and A is a C_{5-10} straight chain or branched chain alkylene group.

14. (Original) The catalyst for production of a polyurethane resin according to Claim 13, wherein the the amine compound of the formula (1) is an amine compound selected from the group consisting of N, N-dimethylpentamethylenediamine, N, N-dimethylhexamethylenediamine, N, N-dimethyloctamethylenediamine and N, N-dimethyldecamethylenediamine.

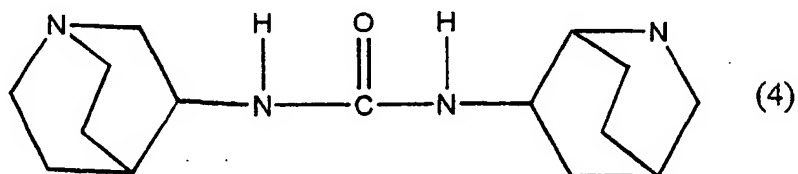
15. (Original) A catalyst for production of a polyurethane resin, which contains an amine compound of the following formula (2):



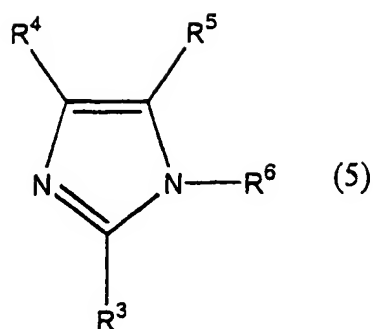
16. (Original) A catalyst for production of a polyurethane resin, which contains an amine compound of the following formula (3):



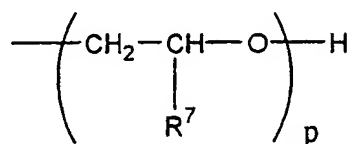
17. (Original) The catalyst for production of a polyurethane resin according to Claim 16, which further contains an amine compound of the following formula (4):



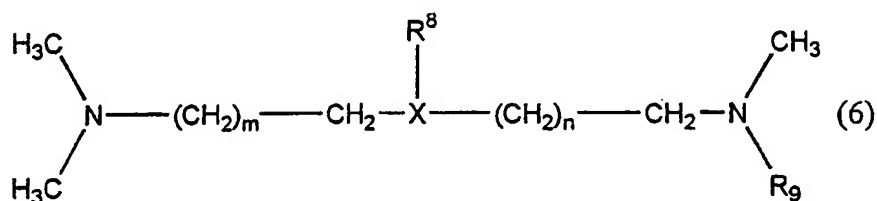
18. (Original) A catalyst for production of a polyurethane resin, which contains a compound of the following formula (5):



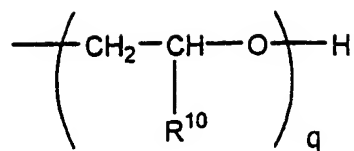
wherein each of R³, R⁴ and R⁵ which are independent of one another, is a hydrogen atom or a C₁₋₄ alkyl group, R⁶ is a hydrogen atom, a functional group of the following formula:



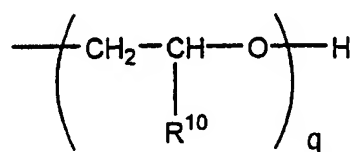
wherein R⁷ is a hydrogen atom or a C₁₋₄ alkyl group, and p is an integer of from 1 to 3, or a 3-aminopropyl group; and an amine compound of the following formula (6):



wherein X is a nitrogen atom or an oxygen atom, each of R⁸ and R⁹ which are independent of each other, is a methyl group or a functional group of the following formula:



wherein R^{10} is a hydrogen atom or a C_{1-4} alkyl group and q is an integer of from 1 to 3, and each of m and n is an integer of from 1 to 2, provided that when X is a nitrogen atom, R^8 and R^9 are not simultaneously methyl groups, and that when X is an oxygen atom, R^9 is a functional group of the following formula:



wherein R^{10} is a hydrogen atom or a C_{1-4} alkyl group, and q is an integer of from 1 to 3.

19. (Original) The catalyst for production of a polyurethane resin according to Claim 18, wherein the amine compound of the formula (5) is an amine compound selected from the group consisting of 1-(2'-hydroxypropyl)-imidazol, 1-(2'-hydroxypropyl)-2-methylimidazol, 1-(2'-hydroxyethyl)-imidazol, 1-(2'-hydroxyethyl)-2-methylimidazol, 1-(3'-aminopropyl)-imidazol and 1-(3'-aminopropyl)-2-methylimidazol.

20. (Original) The catalyst for production of a polyurethane resin according to Claim 18, wherein the amine compound of the formula (6) is an amine compound selected from the group consisting of N-(2-hydroxyethyl)-N,N',N'',N'''-

tetramethyldiethylenetriamine, N'-(2-hydroxyethyl)-N,N,N'',N''-

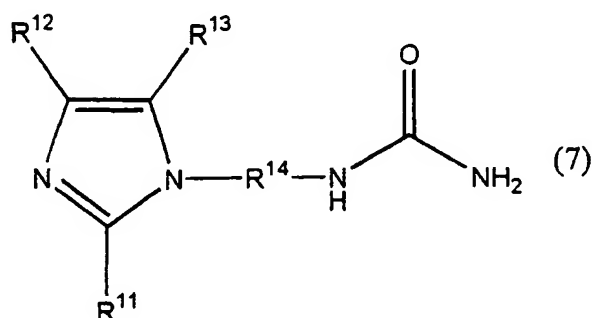
tetramethyldiethylenetriamine, N-(2-hydroxypropyl)-N,N',N'',N''-

tetramethyldiethylenetriamine, N'-(2-hydroxypropyl) -N,N,N'',N''-

tetramethyldiethylenetriamine, N'-(2-hydroxypropyl)-N,N,N'-trimethyl-bis(2-aminoethyl)ether and N'-(2-hydroxyethyl)-N,N,N',N'-trimethyl-bis(2-aminoethyl ether.

21. (Original) The catalyst for production of a polyurethane resin according to Claim 18, wherein the proportion of the amine compound of the formula (5) to the amine compound of the formula (6) is from 1/9 to 9/1 by a weight ratio.

22. (Original) A catalyst for production of a polyurethane resin, which contains an amine compound of the following formula (7):



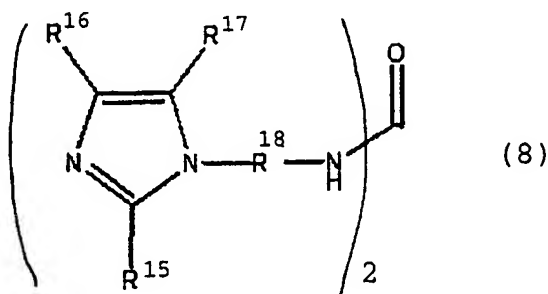
wherein each of R¹¹, R¹² and R¹³ which are independent of one another, is a hydrogen atom or a C₁₋₄ straight chain or branched chain alkyl group, and R¹⁴ is a C₁₋₄ straight chain or branched chain alkylene group.

23. (Original) The catalyst for production of a polyurethane resin according to Claim 22, wherein the amine compound of the formula (7) is an amine compound

wherein R^{11} is a hydrogen atom or a methyl group, each of R^{12} and R^{13} is hydrogen, and R^{14} is a propylene group.

24. (Original) The catalyst for production of a polyurethane resin according to Claim 22, wherein the amine compound of the formula (7) is an amine compound selected from the group consisting of 1-{3'-(imidazoliny)propyl}urea and 1-{3'-(2"-methylimidazoliny)propyl}urea.

25. (Original) The catalyst for production of a polyurethane resin according to Claim 22, which further contains a compound of the following formula (8):



wherein each of R^{15} , R^{16} and R^{17} which are independent of one another, is a hydrogen atom or a C_{1-4} straight chain or branched chain alkyl group, and R^{18} is a C_{1-4} straight chain or branched chain alkylene group.

26. (Original) The catalyst for production of a polyurethane resin according to Claim 25, wherein the compound of the formula (8) is a compound wherein R^{15} is a hydrogen atom or a methyl group, each of R^{16} and R^{17} is hydrogen, and R^{18} is a propylene group.

27. (Original) The catalyst for production of a polyurethane resin according to Claim 25, wherein the amine compound of the formula (8) is an amine compound

MASUDA et al

Appl. No. To be Assigned

January 15, 2004

selected from the group consisting of 1,3-bis{3'-(imidazoliny)propyl}urea and 1,3-bis{3'-(2"-methylimidazoliny)propyl}urea.